



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hall et al. :
Serial No.: 10/024,859 : Art Unit: 2833
Filed: December 18, 2001 : Examiner: Brigette R. Hammond
For: RIGHT ANGLE PRINTED CIRCUIT :
BOARD CONNECTOR APPARATUS, :
METHODS AND ARTICLES OF :
MANUFACTURE :

Commissioner for Patents
P.O. Box 1450
Mail Stop RCE
Alexandria, VA 22313-1450

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AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.

STATUS

2. Applicant is
___ a small entity. A verified statement:
___ is attached.
___ was already filed.
☒ other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

___ deposited with the United States Postal Service
with sufficient postage as first class mail, in an
envelope addressed to the Assistant Commissioner for
Patents, Washington, D.C. 20231

FACSIMILE

___ transmitted by facsimile to the Patent and
Trademark Office

Date: _____

Bruce T. Atkins, Reg. No. 43,476

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)			(Col. 2)		(Col. 3)		SMALL ENTITY		OTHER THAN A SMALL ENTITY										
CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NO. PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE		ADDIT. FEE		OR		RATE		ADDIT. FEE				
TOTAL	13	MINUS	*20	=	x \$11 =	\$			x \$22 =	\$-0-									
INDEP.	8	MINUS	**5	= 3	x \$41 =	\$			x \$84 =	\$252.00									
___ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM									+ \$135 =			\$	+ \$270 =			\$-0-			
									TOTAL ADDIT. FEE			\$	OR			TOTAL ADDIT. FEE			\$252.00

- (c) ___ No additional fee for Claims is required.

OR

- (d)
- ☒
- Total additional fee for claims required
- \$252.00**

FEE PAYMENT

5. ___ Attached is a check in the sum of \$ _____

☒ Charge Deposit Account No. 01-2384 the sum of **\$1,182.00**


A duplicate of this transmittal is attached.

FEE DEFICIENCY

- 6.
- ☒
- If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

- ☒
- If any additional fee for claims is required, charge Deposit Account No. 01-2384.


 Bruce T. Atkins, Registration No. 43,476
 ARMSTRONG TEASDALE LLP
 One Metropolitan Square, Suite 2600
 St. Louis, MO 63102
 314/621-5070

EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) ☒ Applicant petitions for an extension of time under 37 C.F.R. 1.136
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension (months)	Fee for other than <u>small entity</u>	Fee for <u>small entity</u>
<u> </u> one month	\$ 110.00	\$ 55.00
<u> </u> two months	\$ 400.00	\$ 200.00
<input checked="" type="checkbox"/> three months	\$ 930.00	\$ 475.00
<u> </u> four months	\$ 1,510.00	\$ 755.00

Fee: \$930.00

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

 An extension of months has already been secured. The fee paid therefor of \$ is deducted from the total fee due for the total months of extension now requested.

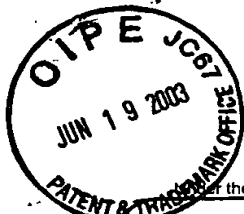
Extension fee due with this request \$.

OR

- (b) Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

6 20 3

RCE/2833



PTO/SB/30 (01-03)

Approved for use through 04/30/2003. OMB-0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request For Continued Examination (RCE) Transmittal

Address to:
Commissioner for Patents
Box RCE
Washington, DC 20231

Application Number	10/024,859
Filing Date	December 18, 2001
First Named Inventor	Hall et al.
Art Unit	2833
Examiner Name	Brigette R. Hammond
Attorney Docket Number	TYCO 17768 (AT20958-57)

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. Submission required under 37 CFR 1.114

- a. ☐ Previously submitted
- i. ☐ Consider the amendment(s)/reply under 37 CFR 1.116 previously filed on _____
(Any unentered amendment(s) referred to above will be entered).
- ii. ☐ Consider the arguments in the Appeal Brief or Rely Brief previously filed on _____
- iii. ☐ Other _____
- b. ☒ Enclosed
- i. ☒ Amendment/Reply
- ii. ☐ Affidavit(s)/ Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)
- iv. ☐ Other _____

2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☒ Other Amendment Transmittal Form

3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 01-2384
- a. ☒ The RCE fee required under 37 CFR 1.17(e) \$750.00
- ii. ☒ Extension of time fee (37 CFR 1.136 and 1.17) \$930.00
- iii. ☒ Other Fee for Three Independent Claims - \$252.00
- b. ☐ Check in the amount of \$ _____ enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print/Type)	Bruce T. Atkins	Registration No. (Attorney/Agent)	43,476
Signature		Date	6-19-03

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, Box RCE, Washington, DC 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Name (Print/Type)		Date	
Signature			

Page 1 of 2

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box RCE, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

03/23/2003 BAEBAHA1 00000090 012384 10024859

01 750.00 DA
02 930.00 DA
03 252.00 DA



PATENT
TYCO 17768
(AT 20958-57)

IN THE UNITED STATES OFFICE OF PATENTS AND TRADEMARKS

Applicant: Hall et al.

Serial Number: 10/024,859

Filed: December 18, 2001

For: RIGHT ANGLE PRINTED CIRCUIT
BOARD CONNECTOR APPARATUS,
METHODS AND ARTICLES OF
MANUFACTURE

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Group Art Unit: 2833

Examiner: B. R. Hammond

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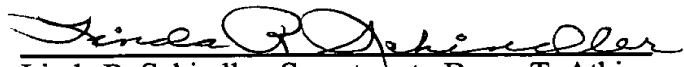
Express Mail mailing label number: EV339990940US

Date of Mailing: June 19, 2003

I certify that the documents listed below:

- Request For Continued Examination (RCE) Transmittal (1 pg.)
- Amendment (11 pgs.), in response to Office Action dated 12/31/02 and made final, and Advisory Action dated 5/27/03, including Appendix (4 pgs.)
- Amendment Transmittal Form (3 pgs.), in duplicate
- Return post card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Mail Stop RCE, Alexandria, VA 22313-1450.


Linda R. Schindler, Secretary to Bruce T. Atkins
Armstrong Teasdale LLP
One Metropolitan Square, Suite 2600
St. Louis, MO 63102
314-621-5070



TYCO 17768 (AT 20958-57)
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hall et al.

Serial No.: 10/024,859

Filed: December 18, 2001

For: RIGHT ANGLE PRINTED
CIRCUIT BOARD
CONNECTOR APPARATUS,
METHODS AND ARTICLES OF
MANUFACTURE

Art Unit: 2833

Examiner: Hammond, Brigitte R.

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AMENDMENT

Hon. Assistant Commissioner for Patents
Alexandria, Virginia

In response to the Office Action dated December 31, 2002 and made final, the Advisory Action dated May 27, 2003, and the Request for Continued Examination submitted herewith, please amend the above-identified patent application as follows:

IN THE SPECIFICATION

Please replace the third paragraph on the first page with the following paragraph:

B1 Care must be taken when attaching to the connector. For example, the connections must be securely fastened so they do not come apart after installation. Additionally, they must be properly aligned so that an electrical connection is made upon installation.

Please replace the fifth paragraph on the first page with the following paragraph:

B2 However, snap-in mechanisms may be confusing for the installer because of their similar appearance. If the confusion among possible connections leads the installer to make the wrong connection, the result could be disastrous.